

# Cracklin' Static

October 2017 Edition



## Breakfast Meeting – Sat, Oct 7<sup>th</sup>

Boomtown Casino Hotel

Events Center

I-80 at Exit 4 in Verdi

Breakfast Buffet – 7:30am - \$12

General Meeting – 8:00am

## Featured Presentation

### Membership Features

### Tony Marcin, W7XM

## SNARS NOON NET – Weekdays

12:00PM - SNARS Linked Systems

<http://snars.org/nets>

## SNARS NET on DMR – Tuesday 8pm

DMR Talk Group: 31328 SNARS

## SNARS Treasury – Ending Sept 30

|               |                    |
|---------------|--------------------|
| Checking:     | \$9,892.38         |
| Savings:      | \$5,245.93         |
| PayPal:       | \$1,449.09         |
| Trust:        | \$9,837.74         |
| <u>TOTAL:</u> | <u>\$26,425.14</u> |

## SNARS Membership – Ending Oct 2

|             |     |
|-------------|-----|
| Technician: | 114 |
| General:    | 90  |
| Advanced:   | 18  |
| Extra:      | 106 |

SNARS Members 330

ARRL Members 218

# President's Voice

## The Fall and Officers

### Your President Anthony Marcin, W7XM

Email: [w7xm@snars.org](mailto:w7xm@snars.org) | Telegram: @w7xm\_nv



### Reno Ham Swap

Thank you for all those who attended the Reno Ham Swap on September 23, 2017 at Reno Cabela's. It was a great success and we had over 15 sellers and lots of buyers this year. We also introduced

for the first time selling coffee and donuts which of course sold out! The club made around 1500.00 with selling items at the swap, selling the donuts and coffee along with the raffle prizes. We had one of the best raffles to date with two \$100.00 gift certificates from HRO and DX Engineering. We also raffled two radios, FT70D Dual band Fusion and GD-77 Dual band DMR Radio.

### Mt Rose 147.150 and DMR Updates

This past Saturday Pat Sheehan, W7DED, John Byerly, N7ROJ and myself visited Mt Rose to work on a few little projects before the first snow of the season. Pat installed a new receive antenna on top of the large tower at Mt Rose. This will allow for a separate antenna for receive and one for transmit to hopefully eliminate the crackling sound we are all too familiar with on the 147.150 repeater along with improving the receive on the system. The team also installed a new feedline for the DMR box as the coax/connecter we had before broke during this last winter. Pat will make another visit to replace out the duplexer on one of the links to hopefully help with the issue of the Lobdell link causing interference and returning that link to fulltime service.

### New Membership Feature – Online Ham Swap

We have introduced a new feature for SNARS Members, Online Ham Swap. Members can post for sale or wanted items in a familiar way as the QRZ website. We have installed a forum software to allow posting of items by members but open to all to view and contact sellers. You can find this by going to the SNARS website and clicking on the "Ham Swap" link on the top menu bar or type in the URL of <https://snars.org/hamswap> and it will point you to the for-sale forums. To start posting you will need to request a login by sending your request to [forums@snars.org](mailto:forums@snars.org). Please allow 48 hours for an account to be setup for you.

### 2017 Officers/Election

Due to only four nominations provided we won't hold an election this year. The officers are Tony Marcin, W7XM, Bill Jones, AE7OX, Barry Bettman, K6ST and Jim Shephard, W6US. We will hold our yearly executive meeting in January. Thank you again for those returning to the board.



PO BOX 7727 • Reno, NV • 89510  
775.453.4142 • <http://snars.org>

Yearly Dues: \$40.00 Individual • \$50.00 Family

### 2017 Officers

President ..... Anthony Marcin, W7XM  
Vice-President..... Jim Shepherd, W6US  
Treasurer ..... Bill Jones, AE7OX  
Secretary..... Rob Dunbar, NB6C  
Director..... Wes Vick, KG7QXE  
Director..... John Byerly, N7ROJ  
Director..... Barry Bettman, K6ST

### 2017 Staff

Cracklin Static ..... Howie Holden, WB2AWQ  
W7TA Trustee ..... Peter DeBay, KE7VSR  
KR7ENO Trustee ..... Howie Holden, WB2AWQ  
Control Operator ..... Pat Sheehan, W7DED  
Historian ..... Jon Fox, KF7KTC  
Tech Team Lead ..... John Byerly, N7ROJ  
Membership ..... Anthony Marcin, W7XM  
PIO ..... Vacant  
VE Coordinator ..... Bill Nichols, NN7K  
Meeting Greeter ..... Bill Jones, AE7OX  
Noon Net Manager ..... Wes Vick, KG7QXE  
DMR Net Manager ..... Anthony Marcin, W7XM  
Reno Ham Swap..... Rob Dunbar, NB6C  
Webmaster ..... Anthony Marcin, W7XM

### Cracklin Static Publication

Editor: Howie Holden - [holden7471@msn.com](mailto:holden7471@msn.com)

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size or line spacing may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

### SNARS Wide Area Linked System

|                    |                             |         |
|--------------------|-----------------------------|---------|
| 147.030 + PL 123.0 | Sparks, Fernley, Fallon     | Online  |
| 147.210 + PL 100.0 | Reno, Sparks                | Online  |
| 147.150 + PL 123.0 | Lake Tahoe, Truckee, Carson | Online  |
| 146.925 - PL 123.0 | Lovelock, Fallon            | Online  |
| 146.670 - PL 123.0 | Winnemucca                  | Online  |
| 444.875 + PL 100.0 | Yerington                   | Online  |
| 444.125 + PL 123.0 | Reno Sparks                 | Offline |

### DMR Systems

|                |                             |         |
|----------------|-----------------------------|---------|
| 444.925 + CC 1 | Reno, Sparks                | Online  |
| 444.825 + CC 1 | Dayton, Fallon, Carson      | Online  |
| 443.925 + CC 1 | Lake Tahoe, Truckee, Carson | Online  |
| 443.950 + CC 1 | Incline Village             | Online  |
| 442.875 + CC 1 | Sparks, Fernley, Fallon     | Online  |
| 442.850 + CC 1 | Downtown Reno               | Online  |
| 441.950 + CC 1 | Fallon, Fernley             | Offline |

\*Visit <http://snars.org/dmr> for Talk Group Information

### Fusion Systems

|                    |                      |        |
|--------------------|----------------------|--------|
| 146.610 – PL 123.0 | Reno, Carson, Dayton | Online |
|--------------------|----------------------|--------|

### IRLP/Echolink Systems

|                    |              |        |
|--------------------|--------------|--------|
| 147.300 + PL 123.0 | Reno, Sparks | Online |
|--------------------|--------------|--------|

### Digital/APRS

|                  |                             |        |
|------------------|-----------------------------|--------|
| 145.050 - RNO    | Reno, Carson, Dayton        | Online |
| 145.050 - ROSE   | Lake Tahoe, Truckee. Carson | Online |
| 144.390 - TOULON | Lovelock, Fallon            | Online |

### Standalone Systems

|                     |                      |        |
|---------------------|----------------------|--------|
| 147.390 + PL 100.0  | Reno, Carson, Dayton | Online |
| 443.075 + PL 123.0  | Reno, Carson, Dayton | Online |
| 927.0875 + PL 114.8 | Reno, Carson, Dayton | Online |

Online Offline Not Linked

Thank you to our Sponsors/Supporters



Thank you for hosting us for our monthly breakfast meeting



## Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley  
 147.150 + PL123.0 – Lake Tahoe / Truckee  
 147.210 + PL 100.0 - Reno  
 444.875 + PL 100.0 - Yerington  
 146.925 - 123.0 – Lovelock / Fallon  
 146.67 – PL 123.0 - Winnemucca

**Monday through Friday @ 12:00pm**

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

## Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0  
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

|                              |                    |
|------------------------------|--------------------|
| Bishops Storehouse Net       | Monday @ 9:15pm    |
| N. Western NV ARES Net       | Monday at 7:00pm   |
| Northern Nevada Preppers Net | Wednesday @ 8:00PM |
| Hospital Net                 | Friday @ 10:00AM   |

## Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

|                        |                    |
|------------------------|--------------------|
| Amateur Radio Newslite | Monday - 8:00PM    |
| Nevada Skywarn Net     | Wednesday - 7:00pm |
| Nevada State ARES Net  | Thursday - 7:00PM  |

## Nets on Simplex/HF

|                     |             |                    |
|---------------------|-------------|--------------------|
| Jefferson Noon Net  | 7.204 LSB   | Daily - 12:00pm    |
| 6 Meter Net         | 50.350 USB  | Tuesday – 8:00pm   |
| 2 Meter Week Signal | 144.250 USB | Wednesday - 8:00PM |
| 2 Meter Simplex Net | 146.500 FM  | Thursday – 8:00PM  |
| 10 Meter Net        | 28.350 USB  | Sunday – 2:00PM    |

**SNARS Weekly DMR Net – Tuesdays 8:00PM**  
 SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

## SNARS CALENDAR

### Carson City Meetup

October 18, 2017 – 6:00pm  
 Black Bear Diner, Carson City  
 Inside Max Casino

**SNARS/ARRL Radio License Exams**  
 Saturday, October 21<sup>st</sup>, 9 AM to 12 noon  
 Washoe County Regional Emergency  
 Operations Center, 5195 Spectrum Blvd  
 Reno, Nevada 89512

# NEW MEMBER FEATURE – ONLINE HAM SWAP

**SNARS Members may begin using this new feature today!**

Members can post ham related items on our SNARS Website by visiting our site and clicking on the “Ham Swap” link on the main menu (top right) or visit <https://snars.org/hamswap>.

To request a login, you must be a SNARS Member and submit a request to setup your account to **forums@snars.org**. We just need your call sign and name. Allow upwards of 48 hours to setup your account.

## **FOR SALE** SNARS: MFJ-969 and MFJ-949D Antenna Tuners

Discussion in 'Ham Radio Gear for Sale' started by w7xm, Today at 5:12 PM.

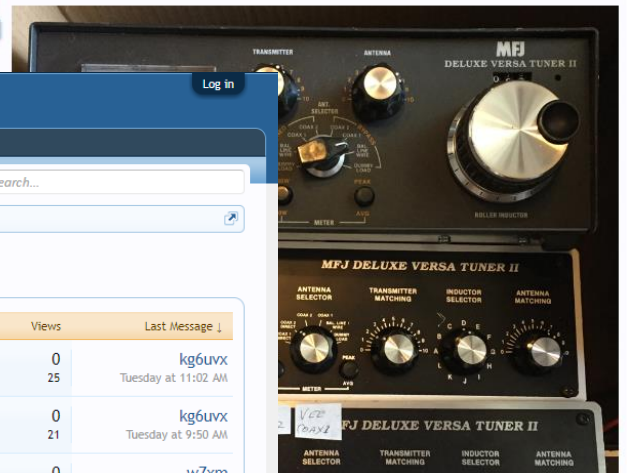


w7xm  
Administrator  
Staff Member

SNARS has three Antenna Tuners For Sale

MFJ-969 Antenna Tuner: \$75.00 or best offer  
MFJ-949D Antenna Tuner: \$25.00 Each (2)

contact [w7xm@snars.org](mailto:w7xm@snars.org) for information



## SIERRA NEVADA Amateur Radio Society

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Search...

Home Forums Online Ham Swap

### Ham Radio Gear for Sale

| Title                                                                                                                                                                            | Start Date | Replies                 | Views | Last Message                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|-------|-------------------------------|
|  <b>FOR SALE</b> Chameleon CHA F-Loop Plus 2.0 Antenna<br>kg6uvx, Tuesday at 11:02 AM         |            | Replies: 0<br>Views: 25 |       | kg6uvx<br>Tuesday at 11:02 AM |
|  <b>FOR SALE</b> Chameleon CHA F-Loop Antenna<br>kg6uvx, Tuesday at 9:50 AM                   |            | Replies: 0<br>Views: 21 |       | kg6uvx<br>Tuesday at 9:50 AM  |
|  <b>FOR SALE</b> SNARS: Tektronix Network Analyzer 2710<br>w7xm, Monday at 7:45 PM            |            | Replies: 0<br>Views: 25 |       | w7xm<br>Monday at 7:45 PM     |
|  <b>FOR SALE</b> Kenwood TK-981 900MHz Mobile Radio + Programming cable<br>w7xm, Sep 24, 2017 |            | Replies: 0<br>Views: 43 |       | w7xm<br>Sep 24, 2017          |

Showing threads 1 to 4 of 4

Thread Display Options

(You must log in or sign up to post here.)

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# **SNARS CARSON CITY MEET UP**

## **October 18, 2017 @ 6PM**

Join us for our first SNARS Carson City Meetup. This is a great opportunity to meet other SNARS members and other amateur operators in the Carson City / Carson Valley and surrounding areas. All are welcome to attend.

This Month's Presentation will be a DMR Workshop providing an overview of DMR and building a code plug. We will also provide an update on SNARS and answer questions related to the club.



Inside Max Casino, Carson City



# SNARS LOGO ITEMS

This year we are celebrating our 50<sup>th</sup> year by providing many ways to commemorate this occasion by imprinting our 50<sup>th</sup> anniversary logo on many items.



Stickers \$1.00 Each



16oz Coffee Mugs \$8.00



Hats \$10.00

Coming Soon Polo  
Shirts and Sweaters

Items are available at the monthly meetings,  
events or online (coming soon)

<http://snars.org/store>

# Join us for October Skies '17

a month-long celebration of aerospace adventures



**Meet  
Paul Dye**  
aka "Ironflight"  
on October 14

As longest-serving **FLIGHT DIRECTOR** in **NASA** history, Dye has directed numerous shuttle flights, and he has amazing experiences to share!

A NASA legend, Dye is an aerospace magazine editor and has been an avid pilot since the age of 13.

Celebrate his induction into the **"Nevada Space Center Hall of Fame"** and support the student programs of the nonprofit Challenger Learning Center of Northern Nevada.

- Sun/Oct. 1 • Rocket Launch Workshop
- Mon/Oct. 2 • Rovers & Drones Presentation
- Tues/Oct. 3 • Solar Telescope Viewing  
• Telescope Tour of the Night Sky
- Wed/Oct. 4 • Robots Presentation & Demo  
• Movie: *The Farthest – Voyager in Space*
- Thurs/Oct. 5 • Movie: "Habitat Earth" & Water Lab
- Fri/Oct. 6 • Hands-On LIVE Radio Demo  
• Movie: *Mission Control: Unsung Heroes*
- Sat/Oct. 7 • Rover Design & Demo Lab
- Sat/Oct. 14 • Mining in Space Workshop  
• Auto Waste Animation Workshop  
• Silent Auction & Gala Awards Dinner\*
- Sat/Oct. 28 • Teacher Appreciation Party



NEVADA  
SPACE  
CENTER



For FREE calendars, tickets and more info, please visit:  
**[www.NevadaSpaceCenter.org](http://www.NevadaSpaceCenter.org)**



At 10AM Friday, October 6<sup>th</sup>, we will conduct a second demonstration of ham radio with participants being able to talk to other hams around the globe. This is in advance of our proposed permanent exhibit of Ham Radio in Space. Brad Haddock, W7LBH, and Fred Jensen, K6DGW, will be the other two former NASA contractors who will be available to answer questions about their roles in the space program and about ham radio. <https://www.eventbrite.com/e/hands-on-live-radio-demo-tickets-38025129185>

At 6:30PM, I will host a new video, "Mission Control, The Unsung Heroes of Apollo." I worked at Mission Control during Gemini, Apollo and Skylab. I was on duty during Apollo 13. I will do the introduction and then conduct a Q&A session about Project Apollo. <https://www.eventbrite.com/e/mission-control-the-unsung-heroes-of-apollo-tickets-37951237172>  
This link is the trailer for the movie:

[http://www.nevadaspacecenter.org/uploads/7/0/6/0/70603985/mission\\_control\\_the\\_unsung\\_heroes\\_of\\_apollo\\_-\\_trailer.mp4](http://www.nevadaspacecenter.org/uploads/7/0/6/0/70603985/mission_control_the_unsung_heroes_of_apollo_-_trailer.mp4)

Admission tickets help fund the development of the Nevada Space Center as the newest "Must See" attraction for our region. Funds also go to the reopening of the Challenger Learning Center of Northern Nevada.  
<http://www.nevadachallenger.org/>

Please join us and distribute this email to your friends and colleagues. Also, allow plenty of time to explore our exhibits, interactive displays and simulators, along with the incredible Harrah auto collection. This is a family and community event celebrating the past, present and future of space exploration. It is Spring Break for WCSD, so bring the whole family!

Tom Taormina  
Advisory Board Member  
775-847-7929

## Weekly nets on the SNARS repeater systems

### SNARS Noon net (daily, 12:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

### The Morning Net (Monday – Friday at 10:00 AM)

147.300 + 123.0

### Bishops Storehouse Net (Monday nights at 9:15 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

### North Western Nevada ARES Net (Tuesday nights at 7:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

### State SATERN Net (Tuesday nights at 8:00 PM)

147.300 + 123.0

### State SKYWARN Net (Wednesday nights at 7:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

### Northern Nevada Preppers Group Net (Wednesday nights at 8:00 PM)

147.150 + 123.0, 147.210 + 100.0, 147.030 + 123.0, 444.875 + 100.0

### State ARES Net (Thursday nights at 7:00 PM)

147.300 + 12

## MIKE'S MISSIVES CHAPTER THIRTY

### PART 97 --- Auxiliary Stations

Amateur Radio Stations are sometimes set up and controlled remotely via an RF link. A station involved in this kind of activity is defined under 97.3(a)(7) as an *auxiliary station*. Auxiliary stations are often set to perform such tasks as controlling or linking repeaters or performing station control tasks, such as changing operating parameters of a remote base station. The stations that these auxiliary stations control, as well as the auxiliary stations themselves, become what the FCC refers to as a "system of cooperating stations."



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# THE NAME OF THE GAME

Jim Shepherd, W6US [nvjims@gmail.com](mailto:nvjims@gmail.com)

## Conventions, Hamfests, and Conferences, the Social and Educational side of Ham Radio.

There are lots of events throughout the year where you can meet hams, learn about new facets of the hobby, and maybe end up with some new equipment.

Coming up in a couple of weeks is Pacificon down in San Ramon east of San Francisco. It is the Pacific Division of the ARRL's annual convention and one of the major events of the year. This year there will be a full day seminar on Friday on antennas. A large number of vendors will have the latest gear on exhibit and you will have a chance to twiddle the knobs of the new stuff. There will be forums by experts on a wide variety of topics from operating techniques to remote radio control and a lot of useful knowledge in between. There are raffles with lots of toys, including some big ticket rigs. There are guest speakers like Gordon West and Bob Heil who will add to your knowledge of Ham Radio. Sunday morning, there will be a ham swap where you can possibly find that missing part to complete your station. Mixed in throughout the days are some food events, hospitality events, and a chance to catch up with old friends and make some new ones. For more information, go to <http://www.pacificon.org/home>

Other ARRL Divisions also have big conventions, and one of the best is held up in Seaside, Oregon, the Northwest Division Convention known as SEA-PAC. It will be held June 1-3 this coming year. The huge swap meet at this convention is indoors (rain is almost a certainty that time of year) and goes on for both Saturday and Sunday all day. There are about 100 tables available, and they go fast starting at their February 15 registration date. Yes, you can sleep in, and not miss the best deals as the event opens at 0900! Friday, they have several tracks of all day workshops on various topics. Saturday and Sunday morning, there will also be a large number of hour or so long seminars on lots of different topics. Lots of other events are also planned at various venues around downtown Seaside. A lot of hams from Nevada do travel up to this convention and combine it with a vacation in the area. More information including the booklets from past conventions are at <https://www.seapac.org/>

Some conventions deal with a specific area of ham radio. The 69<sup>th</sup> annual International DX Convention will be held this coming year on April 20-22 in Visalia, California. This is the premier meeting of those interested in the pursuit of making contacts with distant lands. This coming year the Southern California DX Club will be running the show and will be holding the DX University on Friday. On 'odd' years, the Northern California DX Club is in charge and they usually have a Contesting University since a lot of DX operations occur during the several major DX contests each year. There are numerous forums on recent and planned DXpeditions and other relevant topics. Major exhibitors of DX related equipment are also on hand to explain their top-of-the-line wares. A number of banquets are planned for Friday and Saturday nights. There is also plenty of meet-and-greet time to catch up with old friends or have an eyeball QSO with that DXer from the other side of the globe. Last year there were over 30 hams from outside the US and a lot of US hams that participated in DXpeditions to other parts of the world. The raffle prizes are a cut above the usual hamfest ones, with the top two last year being the complete Elecraft K3s line and a complete Flex Radio station. For more information on this convention, go to <http://www.dxconvention.org/>

Some conferences are more technical in nature with actual papers presented and published. The ARRL-TAPR Digital Communications Conference was held in St Louis a couple of weeks ago. They move it around the country and have not announced the location of the next one. They do publish the papers after each conference and more information can be found at their website, <https://www.tapr.org/index.html> Some of the papers presented at the 2015 conference in Chicago were: QRPI - A Raspberry Pi QRP TX Shield Design; Feher Modulation 16 QAM; and Measuring the Ionosphere at vertical incidence using Hermes, Alex, and Munin Open HPSDR and Gnuradio. This is definitely information at a higher level than is found at the local hamfest forums. TAPR (Tucson Amateur Radio Packet) developed the standards for packet radio and made the first available TNC for its use back in the early '80s.

And then there is the Dayton Hamvention... It is a huge swapmeet and exhibitor show held each May near

Dayton, Ohio. It was at a new venue this year and is expected to improve with the years. There are some good forums, but the main emphasis is on the displays of new and used equipment. <http://hamvention.org/> They had about 30,000 attendees this year!

There are lots of other events around the country, these are only a sampling of what is available. Some of these are listed in the coming events columns in QST and CQ, and some rely on work-of-mouth. Try to make a big event and learn more about our great hobby!

\* \* \* \* \*

## NEW HAM BANDS!

### From the ARRL website:

The FCC has announced that the Office of Management and Budget has approved, for 3 years, the information-collection requirement of the Commission's March 29 *Report and Order (R&O)* that spelled out Amateur Radio service rules for the two new bands — 630 meters and 2200 meters. Notice of the action appears in today's edition of the *Federal Register*. Before using either band, stations must **notify** the Utilities Technology Council (**UTC**), formerly the Utilities Telecom Council, that they plan to do so, and if UTC does not respond within 30 days, they may commence operation.

Last March 27, the FCC adopted the 2012 World Radiocommunication Conference (WRC-12) implementation Report and Order (ET Docket 15-99), amending its Amateur Radio rules to — in the FCC's words — “provide for frequency-sharing requirements in the 135.7-137.8 kHz (2200-meter) and 472-479 kHz (630-meter) bands.”

Section 97.313(g)(2) of those rules requires that, prior to starting operation in either band, radio amateurs must notify UTC that they intend operate by submitting their call signs, intended band(s) of operation, and the coordinates of their antenna's fixed location. The new rules do not permit any mobile operation.

“Amateur stations will be permitted to commence operations after a 30-day period, unless UTC notifies the station that its fixed location is located within 1 kilometer of Power Line Carrier (PLC) systems operating on the same or overlapping frequencies,” the FCC said. PLC systems are unlicensed. “This notification process will ensure that amateur stations seeking to operate [on 630

or 2200 meters] are located beyond a minimum separation distance from PLC transmission lines, which will help ensure the compatibility and coexistence of amateur and PLC operations, and promote shared use of the bands.”

The FCC announced that it is making effective immediately the Part 97 rule amendments, § 97.3, 97.15(c), 97.301(b) through (d), 97.303(g), 97.305(c), and 97.313(k) and (l), which do not require OMB approval. (end of ARRL notice)

**Editor's notes:** For a look at the FCC R & O, go to: [https://apps.fcc.gov/edocs\\_public/attachmatch/FCC-17-33A1.pdf](https://apps.fcc.gov/edocs_public/attachmatch/FCC-17-33A1.pdf)

To notify the UTC of your intended operation on the new bands ,go to: <https://utc.org/plc-database-amateur-notification-process/> It costs nothing to register, and you don't have to define your equipment or intended dates, times, specific frequency or mode of operation.

If you want to take a whack at calculating an antenna for 630M, there's a calculator page here: Visit <http://people.physics.anu.edu.au/~dxt103/calculators/Rrad.php> (a quarter wave vertical on 475Khz is 517 ft high)

*I've registered, although I most probably won't do much with this. However, if anyone in the club does, we'd all certainly be interested in hearing about it! Let me know what and how you're doing on 630 and below!*

73, Howie WB2AWQ

\* \* \* \* \*

## NAME THAT RIG



(Answer on page 12)

## FUN STUFF FOR OCTOBER

Looking for some excitement on the bands during October? There's something for everyone on the air!

7 Oct 0000 to 8 Oct 2359 50-1296 ARRL EME Contest CW  
Ph Dig [www.arrl.org/eme-contest](http://www.arrl.org/eme-contest)

7 Oct 1600 to 8 Oct 2200 1.8-28 California QSO Party CW  
Ph [www.cqp.org/Rules.html](http://www.cqp.org/Rules.html)

16 Oct 1300 to 20 Oct 2359 All (noWARC) ARRL School  
Club Roundup CW Ph [www.arrl.org/school-club-roundup](http://www.arrl.org/school-club-roundup)

21 Oct 0001 to 22 Oct 2359 28 10-10 International Fall  
Contest, CW [www.ten-ten.org](http://www.ten-ten.org)

28 Oct 0000 to 29 Oct 2359 1.8-28 CQ Worldwide DX  
Contest, SSB Ph [www.cqww.com/rules.htm](http://www.cqww.com/rules.htm)

The contests in **bold** may qualify for the ARRL club  
contest competition.

For a full list of contests, see:

<http://www.arrl.org/files/file/Contest%20Corral/October-2017-Corral.pdf>

If you're not into contests, there's always DX to chase, and October has tons of good ones! Some of the better DX operations coming up in October:

Oct 01 to Oct10 **Sao Tome & Principe S9YY**

Oct02 to Oct10 **Christmas I VK9XI**

Oct02 to Oct19 **Christmas I VK9XGJ**

Oct03 to Oct10 **Franz Josef Land RI1F**

Oct05 to Oct10 **East Kiribati T32AZ**

Oct06 to Oct10 **Palau T88CS**

Oct07 to Oct15 **Maldives 8Q7BI**

Oct10 to Oct17 **Cocos Keeling I VK9CI**

Oct12 to Oct19 **Bhutan A52SJ**

Oct12 to Oct21 **Sao Tome & Principe S9CQ**

Oct12 to Oct24 **Laos XW4XR**

Oct14 to Oct21 **St Helena ZD7VDE**

Oct14 to Oct22 **Mariana Is KH0**

Oct15 to Oct18 **Bangladesh S2**

Oct16 to Oct23 **Mauritius 3B8**

Oct18 to Oct29 **Palestine E44WE**

Oct20 to Nov01 **Seychelles S79KB**

Oct20 to Nov05 **Botswana A25A**

Oct21 to Oct25 **Bangladesh S2**

Oct22 to Nov06 **Cocos Keeling VK9CZ**

Oct26 to Oct26 **Bhutan A52SJ**

2017 Oct27 to Oct31 **Cyprus SBA ZC4MK**

2017 Oct31 to Nov04 **Liberia 5L3BI**

Visit <http://www.ng3k.com/Misc/adxo.html> for current info and full lists!

## NAME THAT RIG

(from pg 11)

Henry Radio dominated the U.S. amplifier market from the early 1960s into the 21st century. Their first linear amp, pictured on page 5, was the **2-K**, a bruiser for its time. Simplicity and reliability were its design criteria. Using the then-popular grounded-grid method of feeding the amp, which could eliminate a tuned input circuit, combined with a pair of very rugged Eimac 3-400Z triodes and a power supply capable of far more than the amp

would need, this was one amp that could be left on with full output 24-7, days on end. In the 60s, our power limits were 1 KW DC input, or 2KW PEP input, and this one would deliver easily. Henry became the benchmark against which all other amps would be measured, until overtaken by the Alpha Co and others in the early 2000s. Because of the high quality and conservative design, many Henry amps are still in service today, cranking out gobs of power.

## ARES NEWS

Many thanks to KF7KEM, WA6MTY, KF7BNX, N6AFV, AF6MN, KD7BAC, KG7ZHB, WD8OIZ, KK6RMB, KE7OIF, KM6EXT, KE7NCJ, KO0ARK, WB6JAD, W7NIK, WD6CHC for a total of 437 volunteer hours at the Reno Air Races.

Also many thanks to KF7BNX, WA6MTY, K7VWB, K7HMR, KB7GNA, W6RJK, AF7RM, KA7ZAU, AJ7E, AE7I for helping us keep the riders safe during Edible Pedal 100 mile charity bike ride.

October 7<sup>th</sup>, 1000 at the Regional EOC, Tony W7XM will give an update to DMR, on November 4<sup>th</sup> 1000 the National Weather Service will give a SKYWARN weather spotter training and December 2<sup>nd</sup> Jim Piper N6MED will give a presentation on how Amateur Radio helps the American Red Cross.

On November 18<sup>th</sup> is my next One Day Ham Cram (Technician Test Review and Exam), make sure to tell anyone who will attend to go to [www.snars.org/classes/exam](http://www.snars.org/classes/exam) and register so I am sure I have enough handouts. All information is on the website.

### SUMMER EVENTS CALENDAR 2017: Carson Valley, Tahoe, Reno, Plumas County

| EVENT 2017                 | DATE     | DATE END | SPONSOR/ORGANIZER | COORDINATOR             | CONTACT                                                                           |
|----------------------------|----------|----------|-------------------|-------------------------|-----------------------------------------------------------------------------------|
| Grinduro SBTS              | 10/7/17  | 10/8/17  | Plumas ARC        | Larry Trotter<br>KI6YUK | <a href="mailto:dltrotter@sbcglobal.net">dltrotter@sbcglobal.net</a>              |
| Nevada Day Parade          | 10/28/17 |          | NV AREA NW DEC    | John Abrott<br>KD7NHC   | <a href="mailto:jabrott77@gmail.com">jabrott77@gmail.com</a> , cell 775 790-1739. |
| Indian Valley Leaf Peepers | TBD      |          | Plumas ARC        | Larry Trotter<br>KI6YUK | <a href="mailto:dltrotter@sbcglobal.net">dltrotter@sbcglobal.net</a>              |

**NOTE:** Plumas ARC always have a need for operators. Go over to some beautiful country and help out the Plumas Amateur Radio Club

Any questions, contact me:

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Amateur Radio Emergency Service Emergency Coordinator  
775 843-5952 [www.wcares.us](http://www.wcares.us)

**EDITOR'S NOTE: THERE WAS NO BOARD MEETING IN SEPTEMBER, THUS NO MINUTES.**

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